ABSTRACT

[068] A distributed network of interactive agents is provided disclosed. The agents interact with a central computer and with one another through an object based parallel modeling language and/or an aggregate modeling language using an open client-server architecture, which enables many users to control the behavior of individual objects or agents and to view the aggregated results on a central computer. This network of agents is integrated with a powerful suite of modeling, analysis and display tools that together give agents the capacity to "fly" the system in intuitive mode, to reflect on the emergent result of their simulation and, also, to encode their strategies as rules which the system can then run independently.